

PRODUCT INFORMATION

# Photodiodes



AFE warrants products do not contain any Restricted Hazardous Substances as detailed in RoHS (2002/95/EC)

AFE delivers a range of high performance photodiodes

AFE offers a wide range of high performance photodiodes suitable for both single mode and multimode optical fibre.

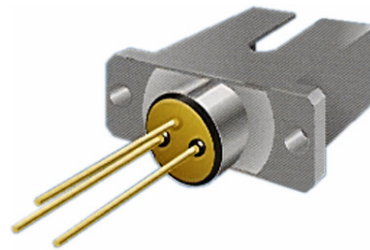
For high speed and low noise a small active area is required.

For high coupling efficiency and reproducible coupling a larger active area can be preferable.

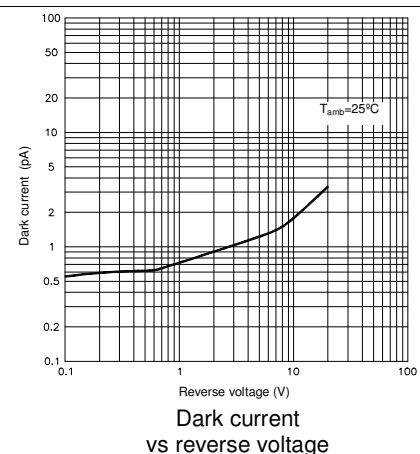
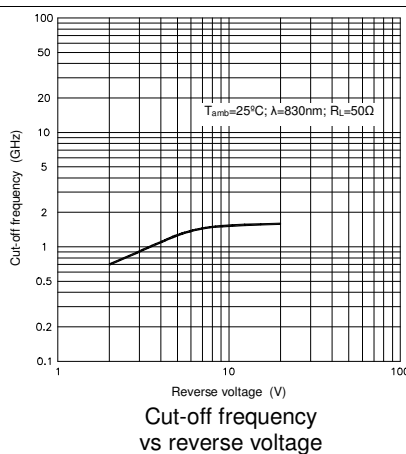
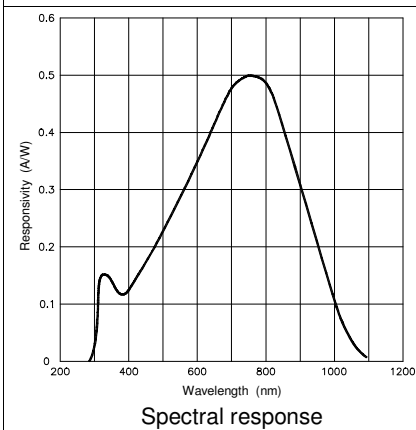
Any of our photodiodes can be supplied either fibre pigtailed or in receptacle form

## EXAMPLE SILICON PHOTODIODE

- Minimum 0.45A/W at 830nm with 62.5/125µm fibre input.
- Bandwidth 1GHz.
- High reliability hermetically sealed device.
- Device case electrically isolated from receptacle.
- Operating temperature  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ .
- Storage temperature  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ .



## TYPICAL DEVICE CHARACTERISTICS



Advanced Fibreoptic Engineering reserves the right to introduce changes without notice if it is deemed that such changes will not affect product performance. Prior notification will be given in all other circumstances. No responsibility is assumed for its use or for any infringement of the rights of third parties.

Copyright © Advanced Fibreoptic Engineering

Advanced Fibreoptic Engineering Ltd.  
16 Thorney Leys Business Park  
Witney Oxon OX28 4GE England



www.adfen.com

e-mail: sales@adfen.com

Tel: +44 (0)1993 709030

Fax: +44 (0)1993 779293

